AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1. (Currently Amended): A breeding method of lipid producing fungi that belong to genus *Mortierella*,

said method comprising an expression suppressing step of suppressing expression of a specific gene in the lipid producing fungi, wherein said expression suppressing step includes an RNAi step of suppressing expression of the specific gene by an RNAi method or a co-suppression step of suppressing expression of the specific gene by a co-suppression method.

Claim 2. (Canceled).

Claim 3. (Currently Amended): A method as set forth in claim [[2]] 1, wherein said RNAi step includes a transformation step of introducing a recombinant expression vector into the lipid producing fungi, wherein the recombinant expression vector causes expression of double stranded RNA corresponding to all of or part of a nucleotide sequence of the specific gene.

Claim 4. (Original): A method as set forth in claim 3, wherein said RNAi step further includes an expression vector constructing step of constructing the recombinant expression vector.

Claim 5. (Previously Presented): A method as set forth in claim 3, wherein the transformation step is carried out by an electroporation method or a particle delivery method.

Claim 6. (Previously Presented): A method as set forth in claim 1, wherein the lipid producing fungi are *Mortierella alpina*.

Claim 7. (Previously Presented): A method as set forth in claim 1, wherein the specific gene is a lipid metabolism gene.

Claim 8. (Original): A method as set forth in claim 7, wherein the lipid metabolism gene is a fatty acid metabolism gene.

Claim 9. (Original): A method as set forth in claim 8, wherein the fatty acid metabolism gene is a gene that encodes a fatty acid chain elongase or a fatty acid desaturase.

Claim 10. (Original): A method as set forth in claim 9, wherein the gene that encodes the fatty acid chain elongase is GLELO gene or MAELO gene.

Claim 11. (Original): A method as set forth in claim 9, wherein the gene that encodes the fatty acid desaturase is a gene that encodes an enzyme selected from the group consisting of: Δ5 fatty acid desaturase, Δ6 fatty acid desaturase, Δ8 fatty acid desaturase, Δ9 fatty acid desaturase, Δ12 fatty acid desaturase, Δ15 fatty acid desaturase, Δ17 fatty acid desaturase, and ω3 fatty acid desaturase.

Claims 12-15. (Canceled).